

Figure 1B

List of Foods Approved for Irradiation in the USA

| Product | Type of Clearance | Date | Dose Max (kGy) |
|---------------------------------------|-------------------|--------|----------------|
| Animal Feed and Pet Food | Unconditional | Sep-95 | 25.00 |
| Apple | Unconditional | Apr-86 | 1.00 |
| Apricot | Unconditional | Apr-86 | 1.00 |
| Apricot (dried) | Unconditional | Apr-86 | 1.00 |
| Avacado | Unconditional | Apr-86 | 1.00 |
| Banana | Unconditional | Apr-86 | 1.00 |
| Cherries | Unconditional | Apr-86 | 1.00 |
| Chicken | Unconditional | May-90 | 3.00 |
| Chicken Meat (Mechanically Seperated) | Unconditional | May-90 | 3.00 |
| Currants, Red | Unconditional | Apr-86 | 1.00 |
| Dates | Unconditional | Apr-86 | 1.00 |
| Enzymes (Dehydrated) | Unconditional | Apr-86 | 10.00 |
| Figs (Dried) | Unconditional | Apr-86 | 1.00 |
| Fruit | Unconditional | Apr-86 | 1.00 |
| Fruit/s (Dried) | Unconditional | Apr-86 | 1.00 |
| Grapes | Unconditional | Apr-86 | 1.00 |
| Guava | Unconditional | Apr-86 | 1.00 |
| Herbs | Unconditional | Apr-86 | 30.00 |
| Jujube (Dried) | Unconditional | Apr-86 | 1.00 |
| Lemon | Unconditional | Apr-86 | 1.00 |
| Litchi | Unconditional | Apr-86 | 1.00 |
| Mandarin | Unconditional | Apr-86 | 1.00 |
| Mango | Unconditional | Apr-86 | 1.00 |
| Meat | Unconditional | Dec-97 | 4.50 |
| Melon | Unconditional | Dec-97 | 7.00 |
| Orange | Unconditional | Apr-86 | 1.00 |
| Papaya | Unconditional | Apr-86 | 1.00 |
| Potato | Unconditional | Jan-64 | 0.15 |
| Pear | Unconditional | Apr-86 | 1.00 |
| Persimmon | Unconditional | Apr-86 | 1.00 |
| Pineapple | Unconditional | Apr-86 | 1.00 |
| Plum | Unconditional | Apr-86 | 1.00 |
| Pork | Unconditional | Jul-85 | 1.00 |
| Poultry | Unconditional | Mar-90 | 3.00 |
| Poultry Products | Unconditional | Mar-90 | 3.00 |
| Raisins | Unconditional | Apr-86 | 1.00 |
| Spices | Unconditional | Apr-86 | 30.00 |
| Strawberry | Unconditional | Apr-86 | 1.00 |
| Vegetables | Unconditional | Apr-86 | 1.00 |
| Vegetables (Dried) | Unconditional | Apr-86 | 1.00 |
| Vegetable Seasonings | Unconditional | Apr-86 | 30.00 |
| Wheat | Unconditional | Jan-63 | 0.50 |
| Wheat Flour | Unconditional | Jan-63 | 0.50 |
| White Potatoes | Unconditional | Jan-64 | 0.15 |

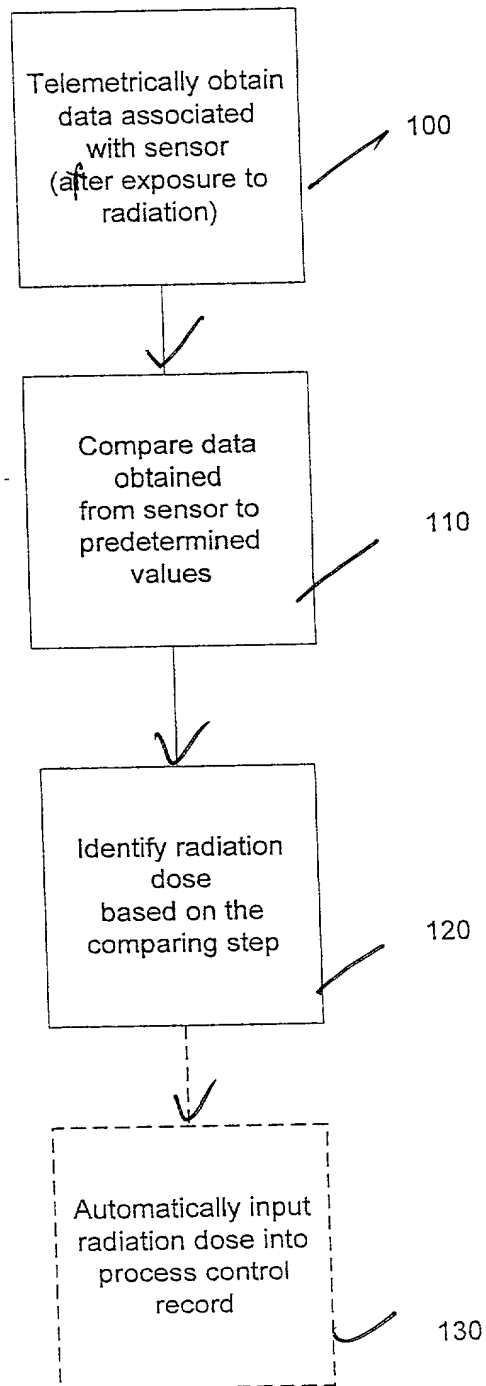


FIG. 2

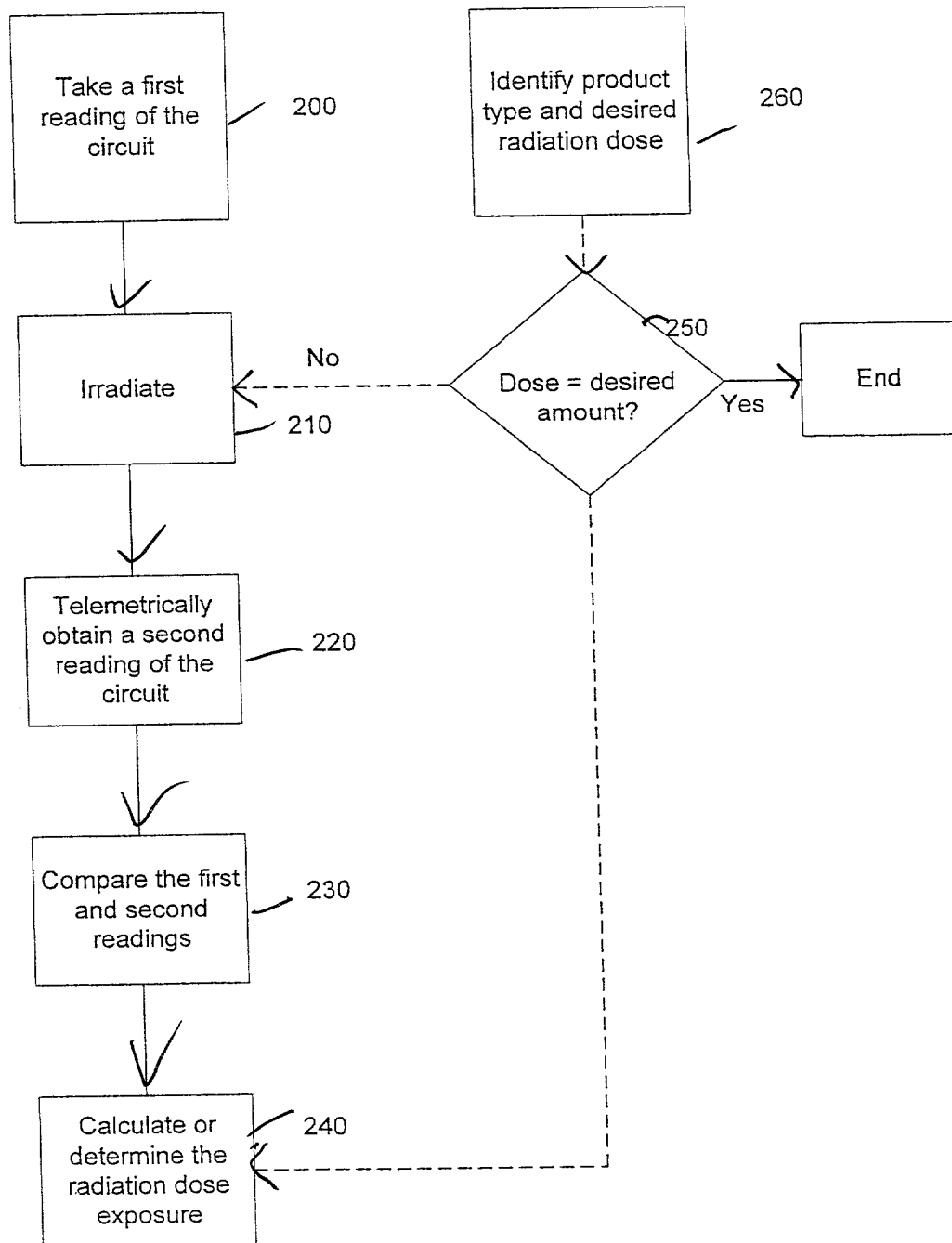


Fig. 3

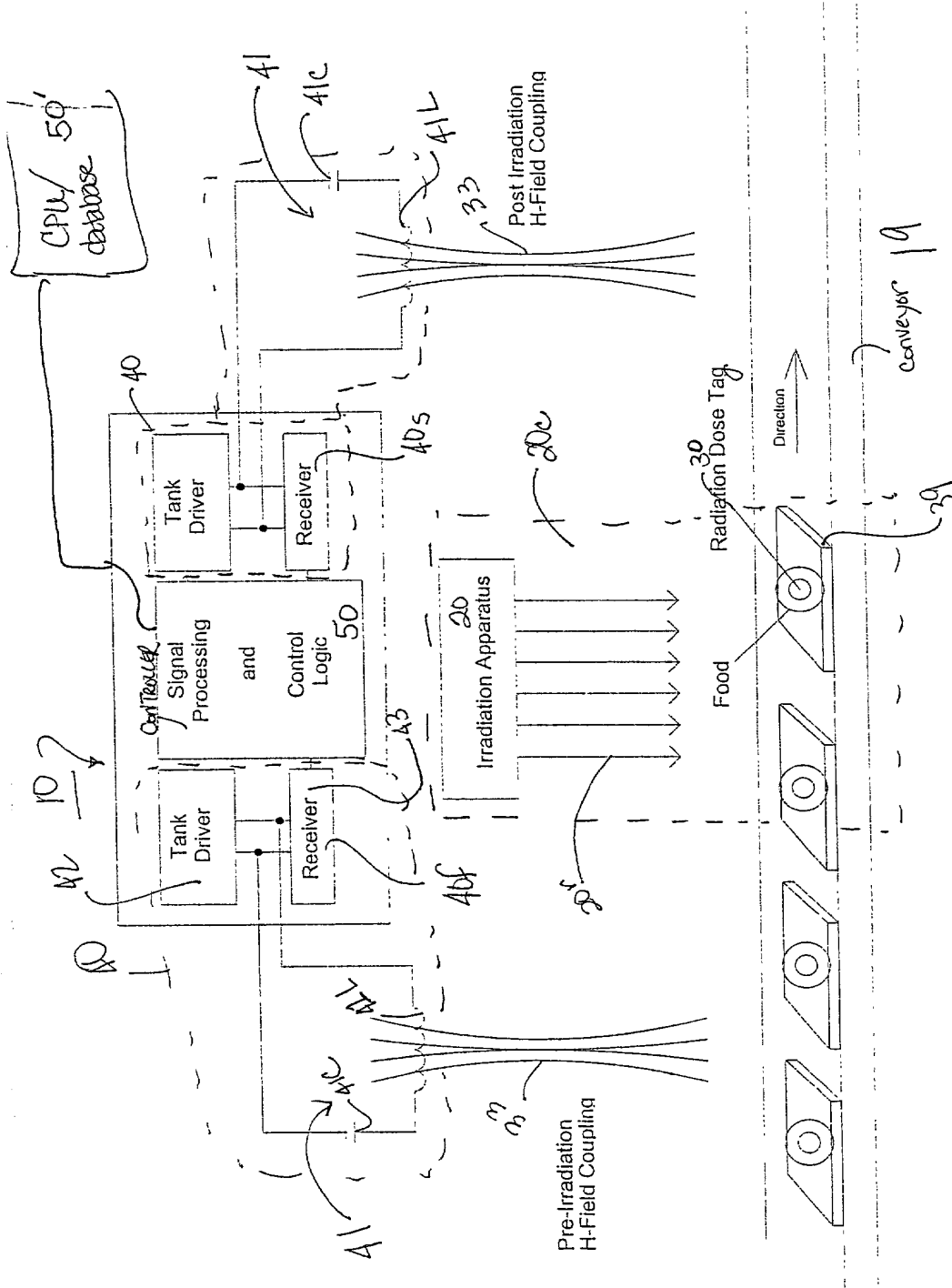


Figure 4

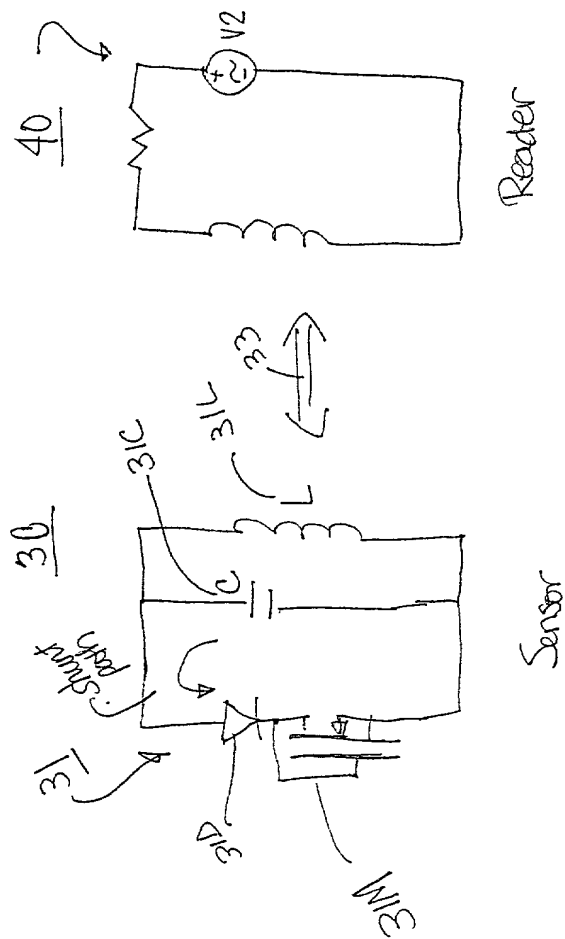
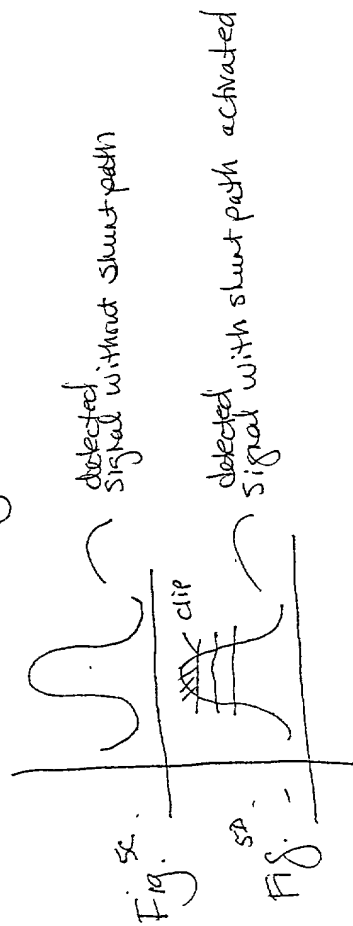


Figure 5.A



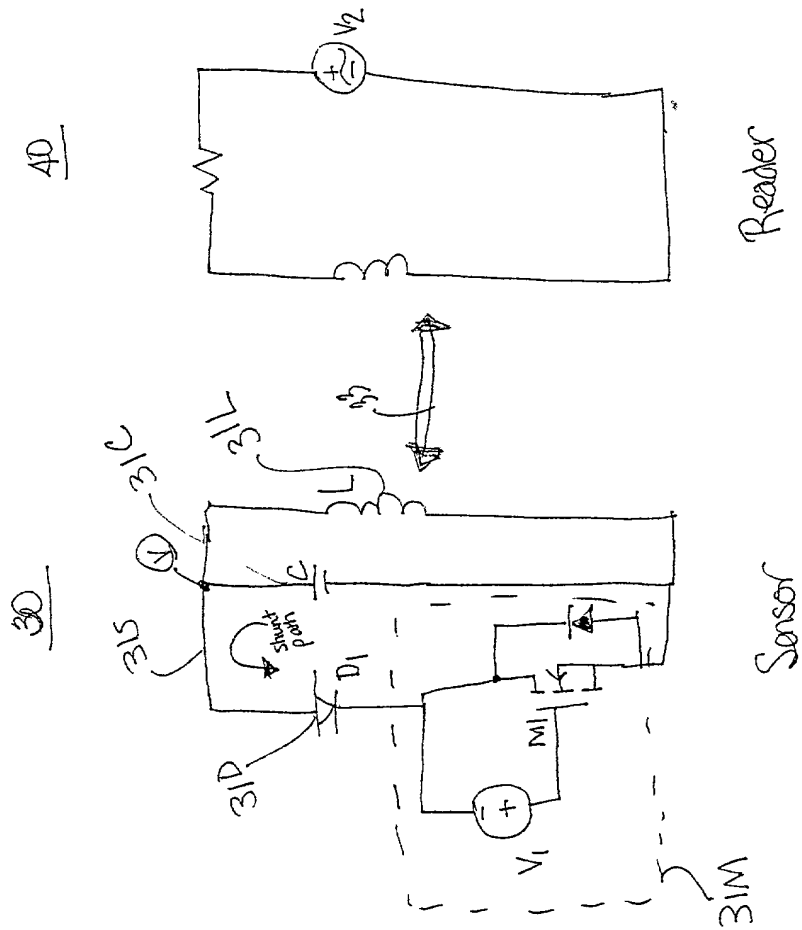


Figure 6B

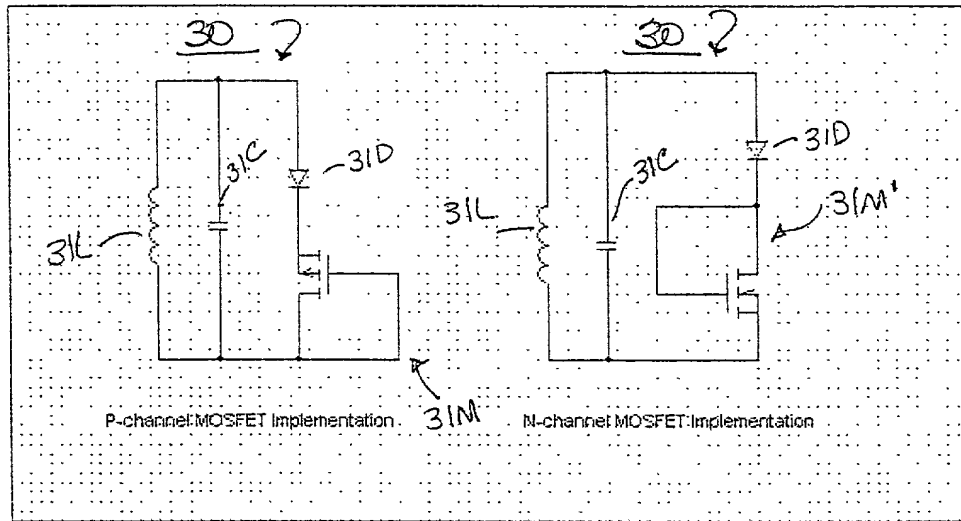


Fig. 5E

Fig. 5F

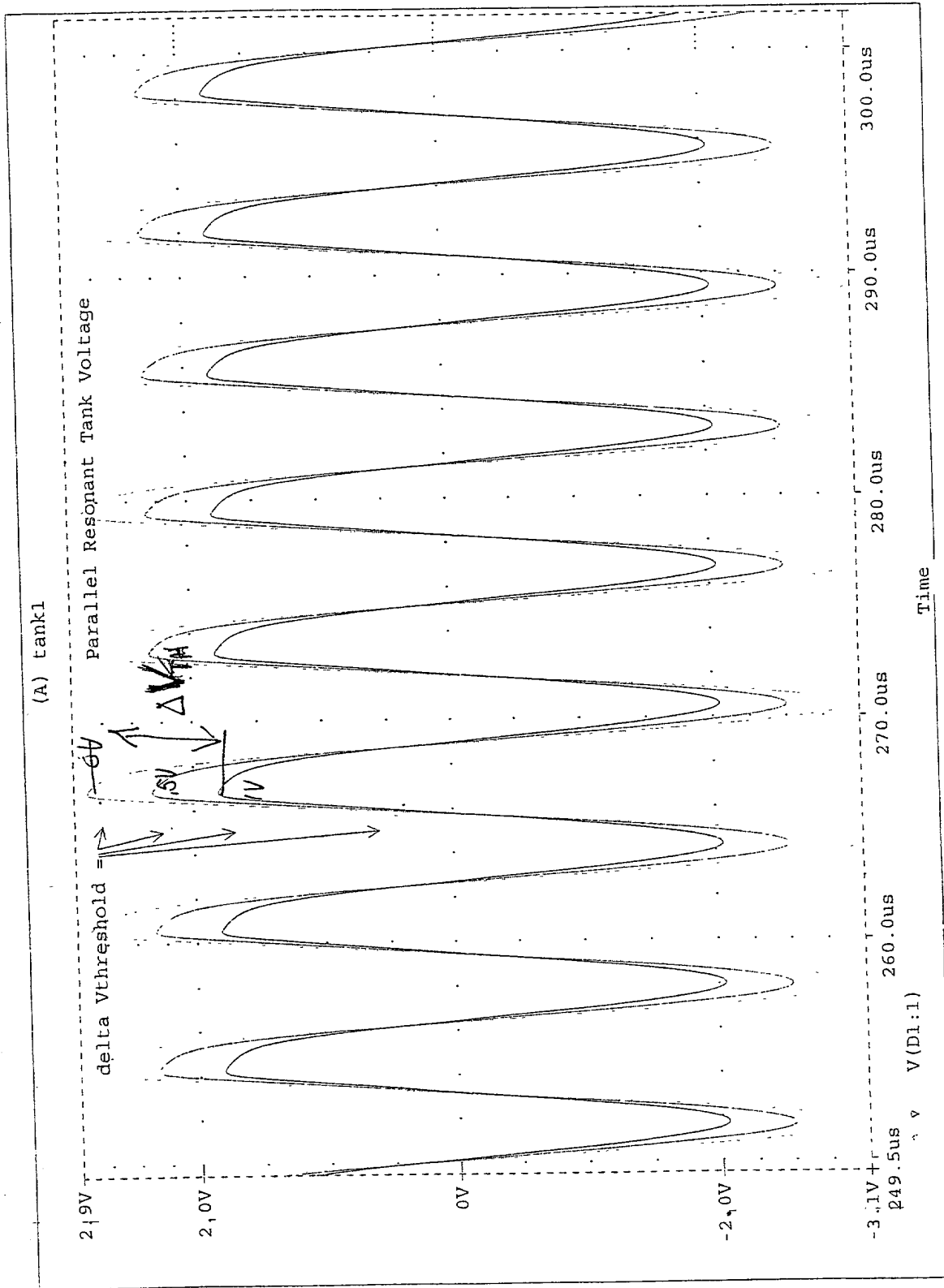
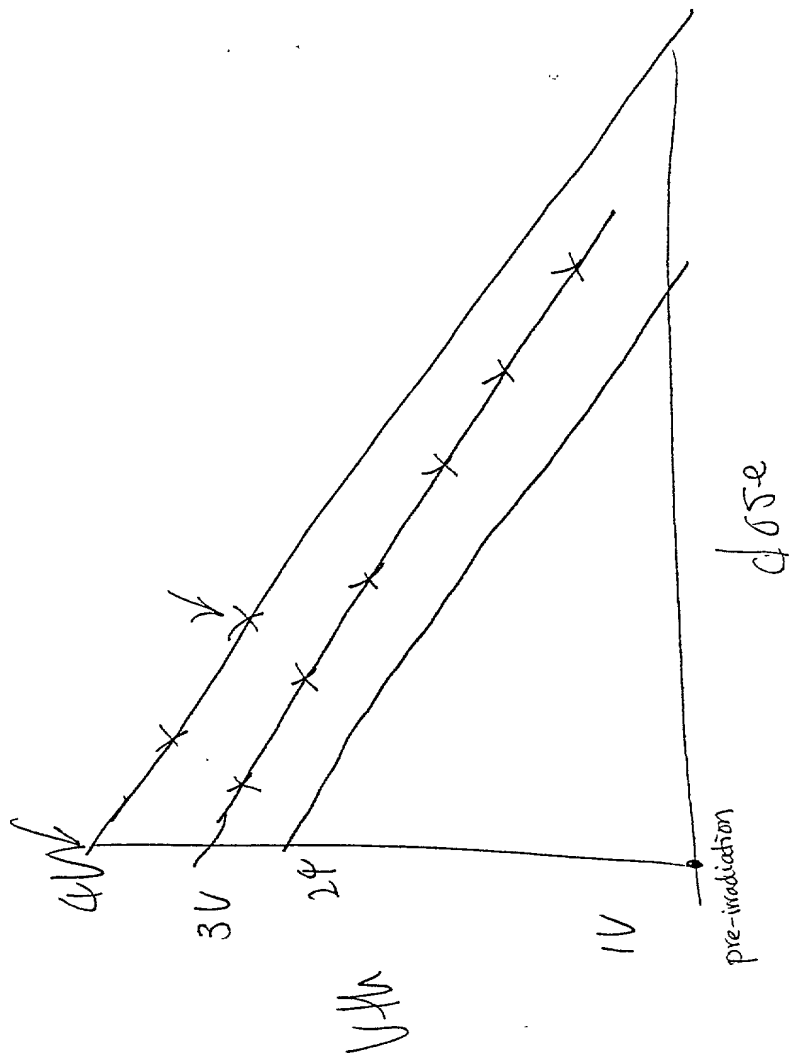


Figure 6A

N channel



Post-irradiation

Figure 6B

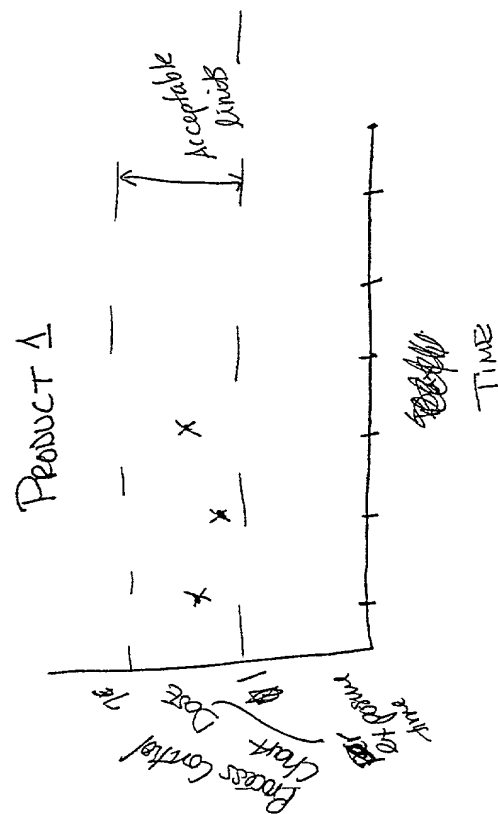


FIG. 7A

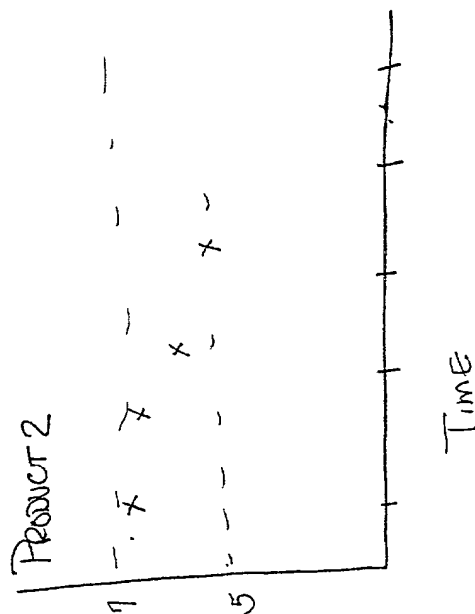
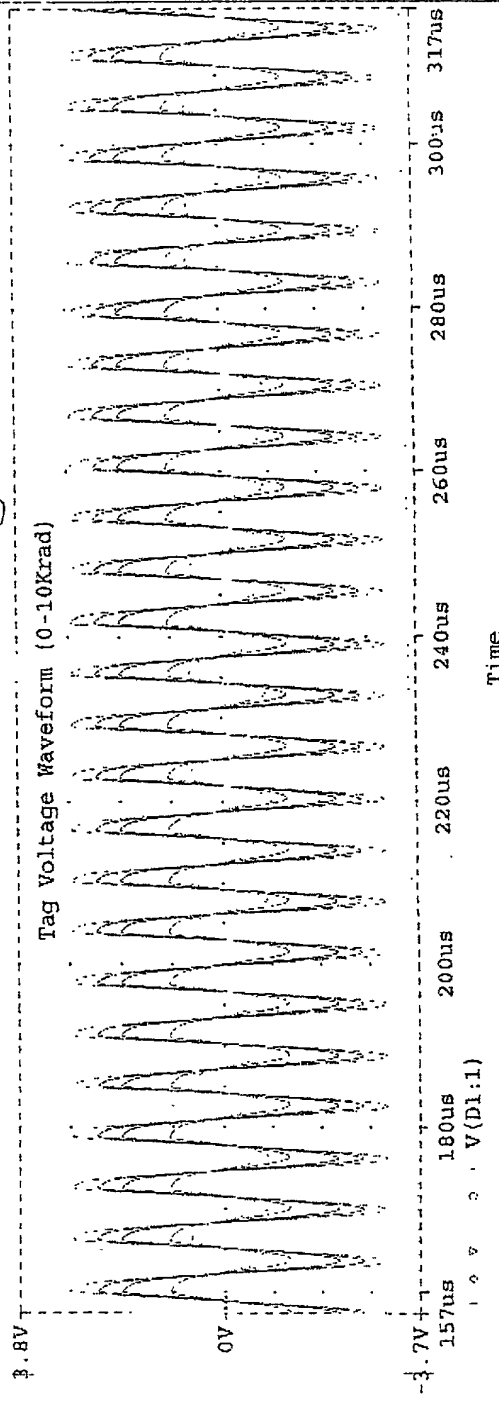
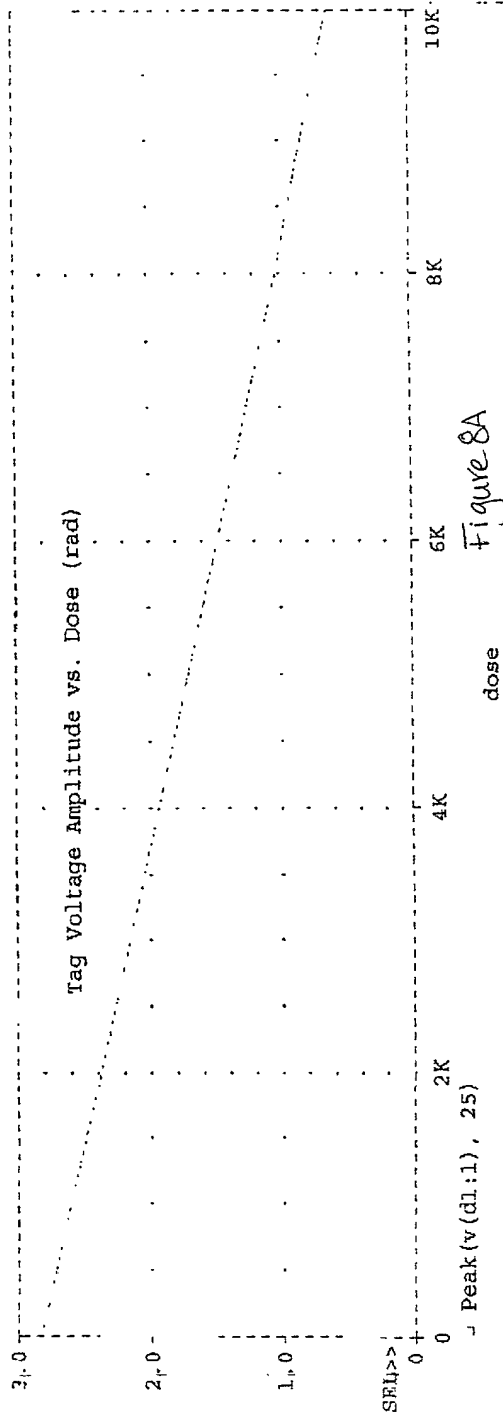


FIG. 7B

(A) tank1



(B) tank1

Frequency Spectrum of Parallel Resonant Tank Voltage

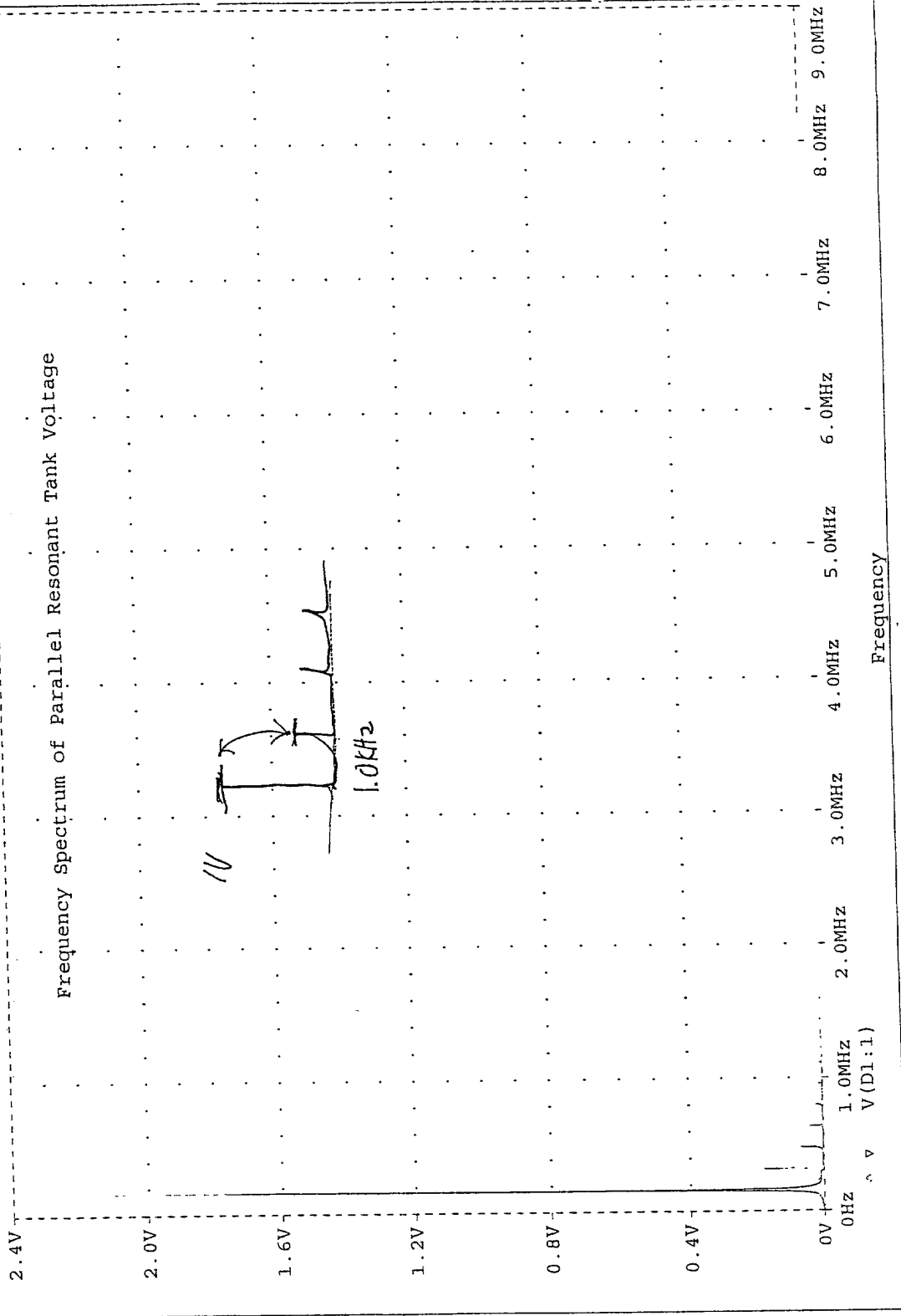


Figure 9A

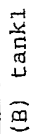


Figure 9B

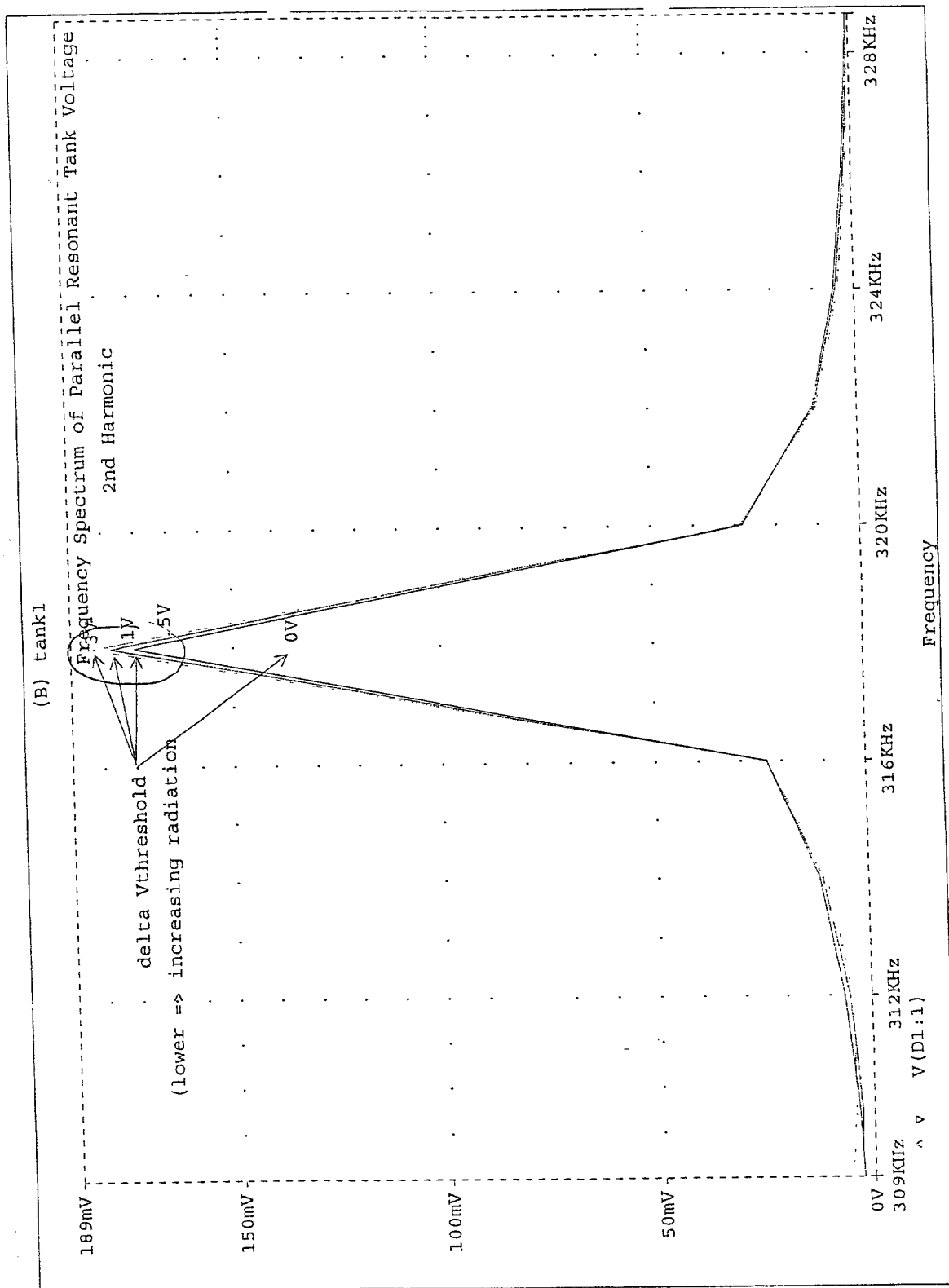


Figure AC

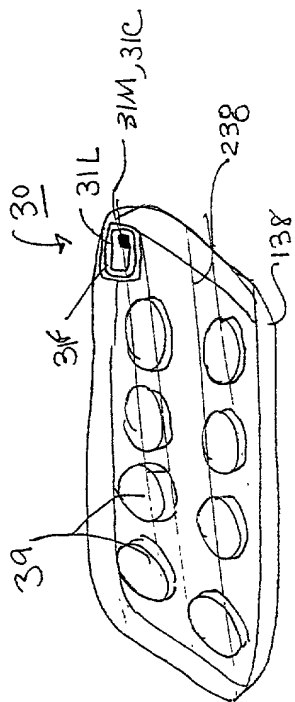


Figure 10

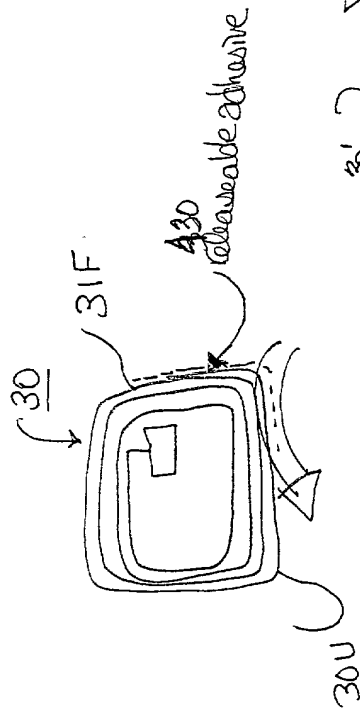


Figure 11A

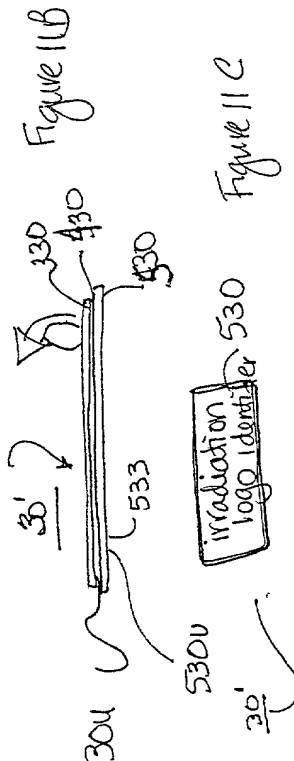


Figure 11B

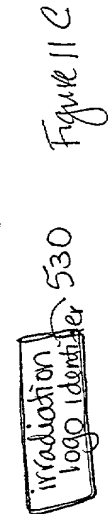


Figure 11C

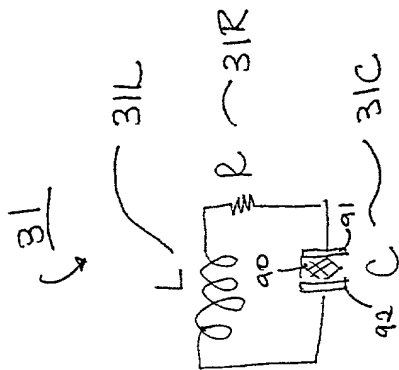


Fig. 12B

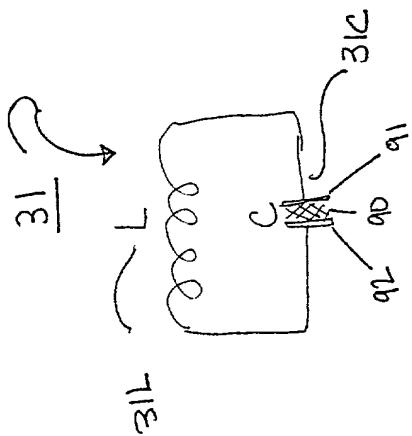


Fig. 12A

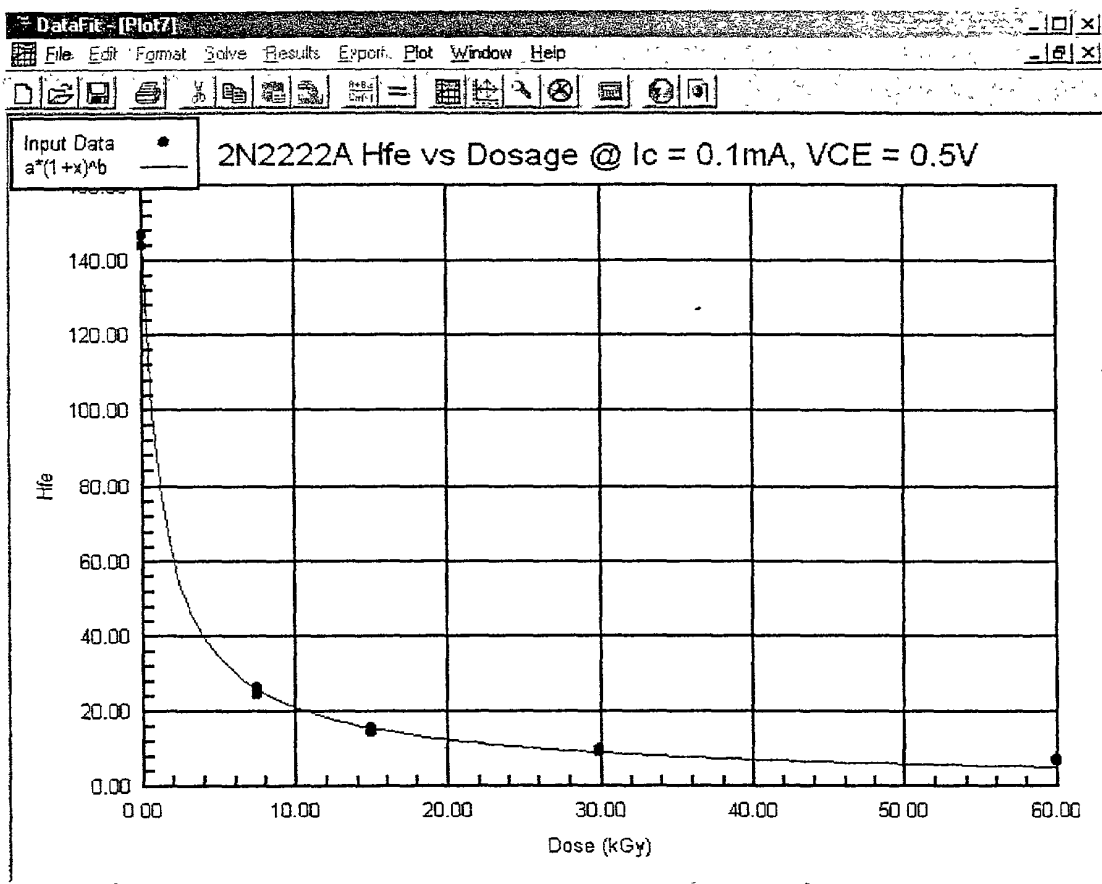


Figure 13, 2N2222A Hfe vs. Total Dose.

Figure 13

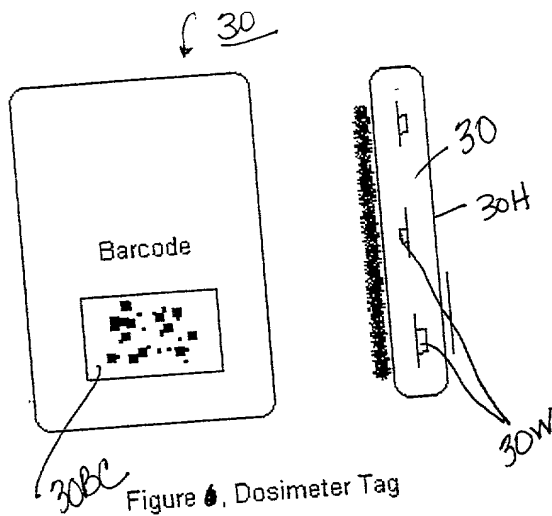


Figure 6, Dosimeter Tag
14

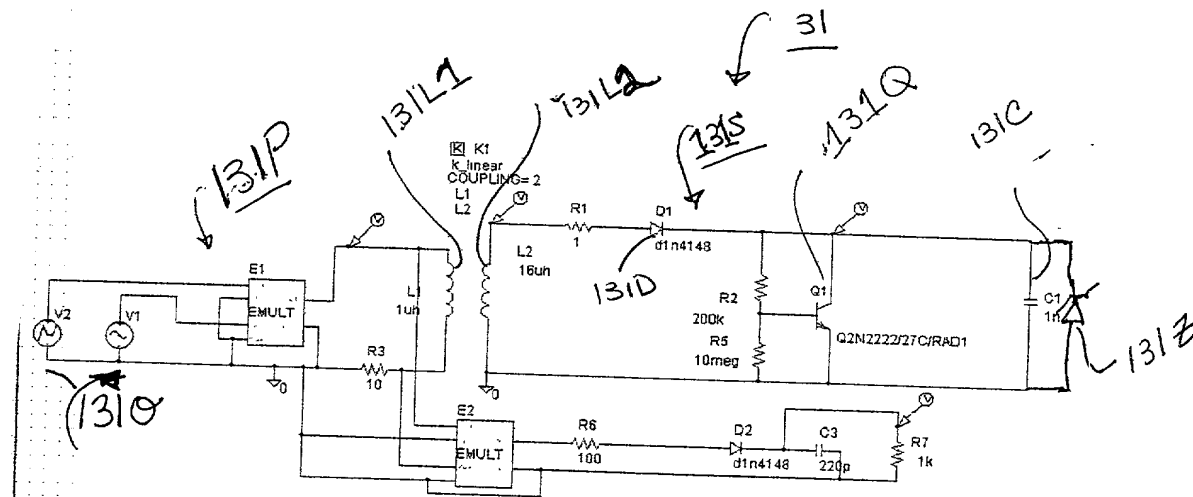


Fig. 17

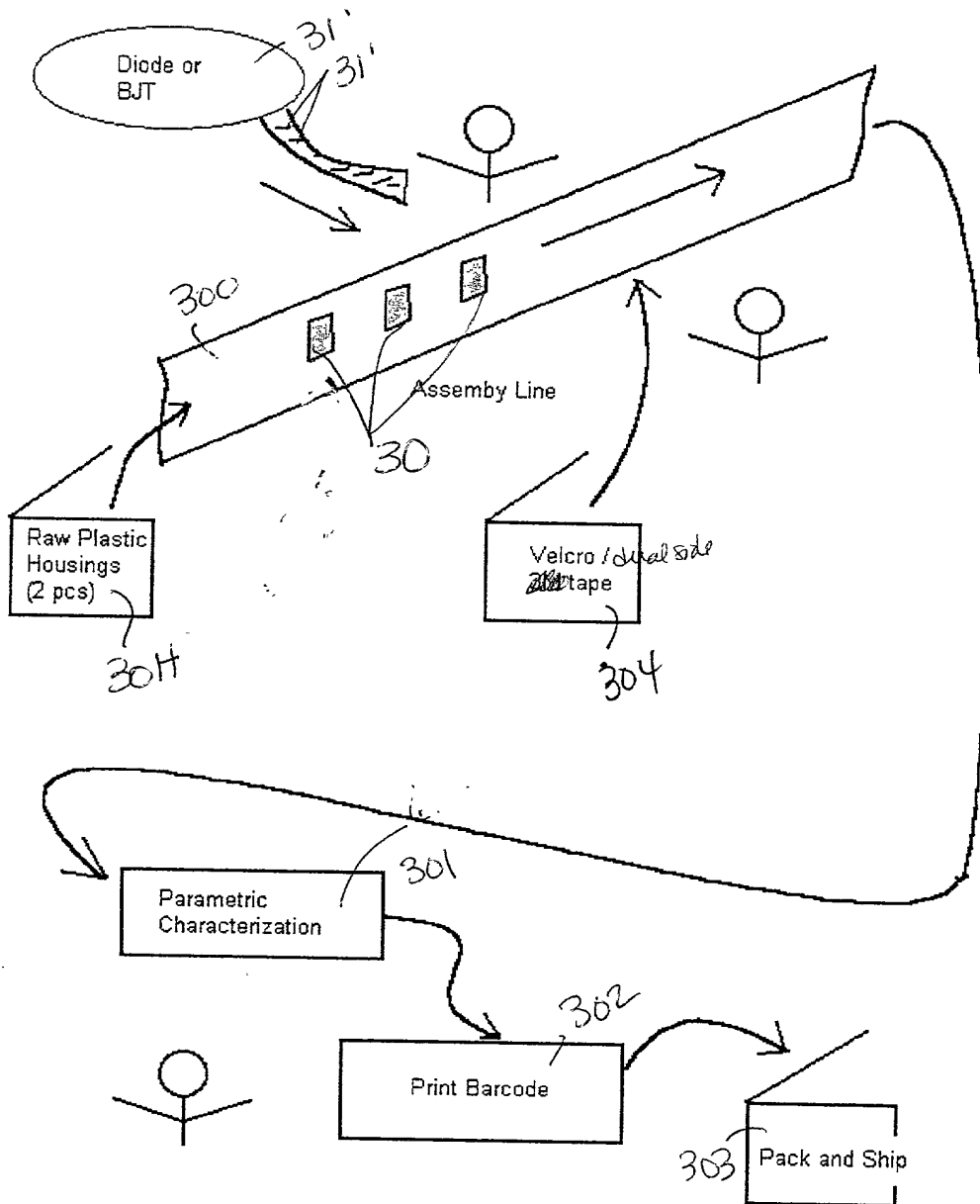
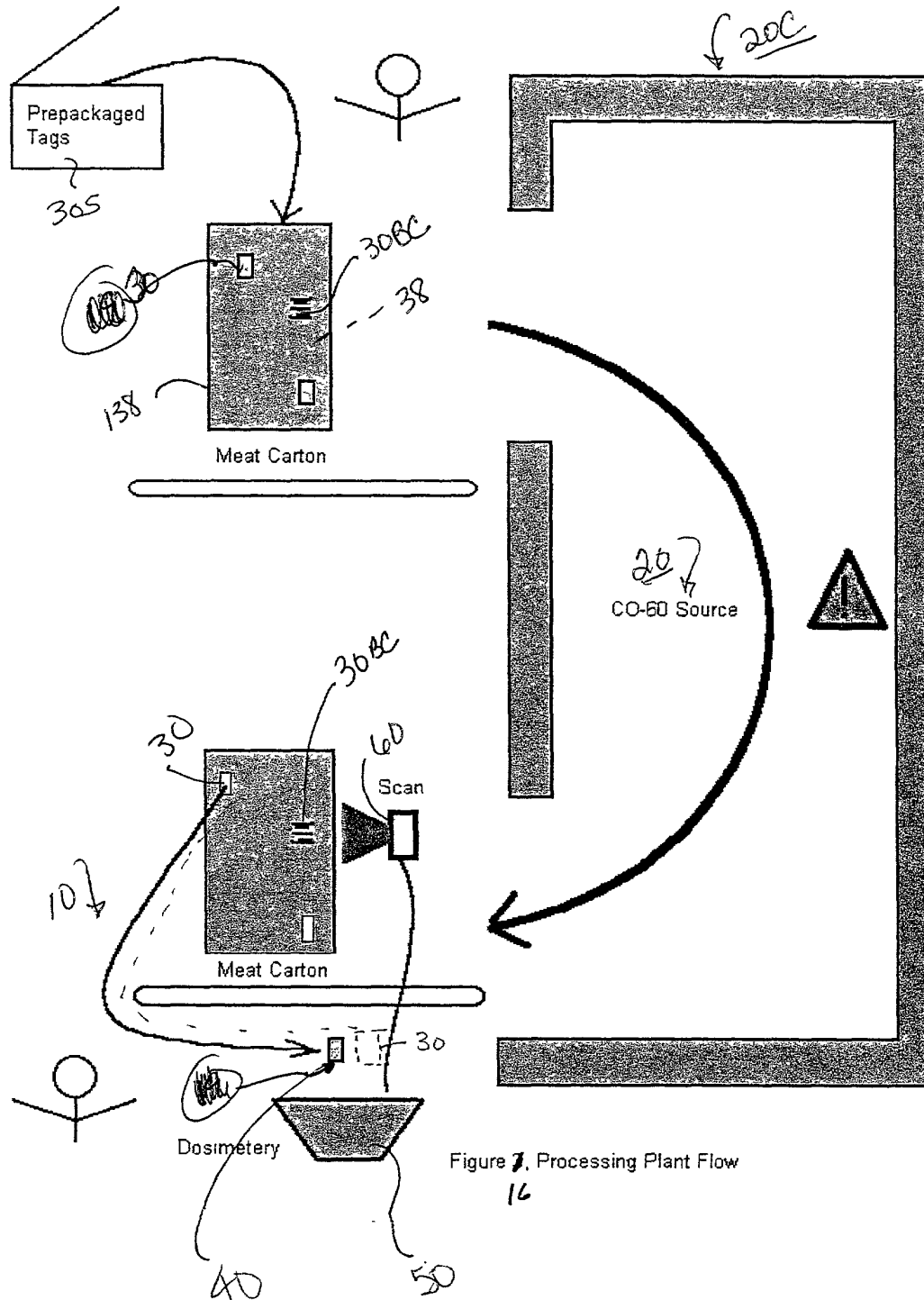


Figure 1, Tag Manufacture
15

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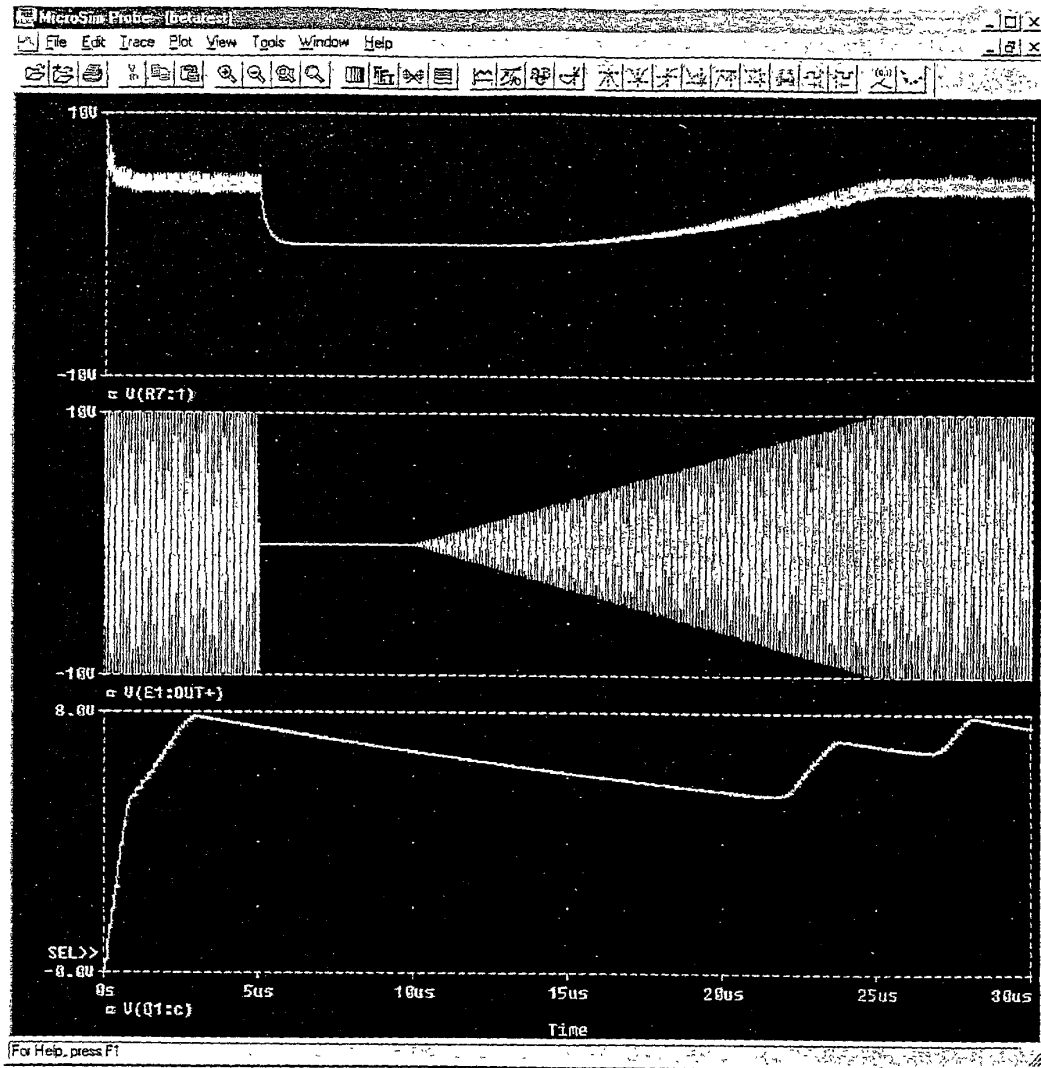


Figure 1, Operational waveforms.
18A-18C

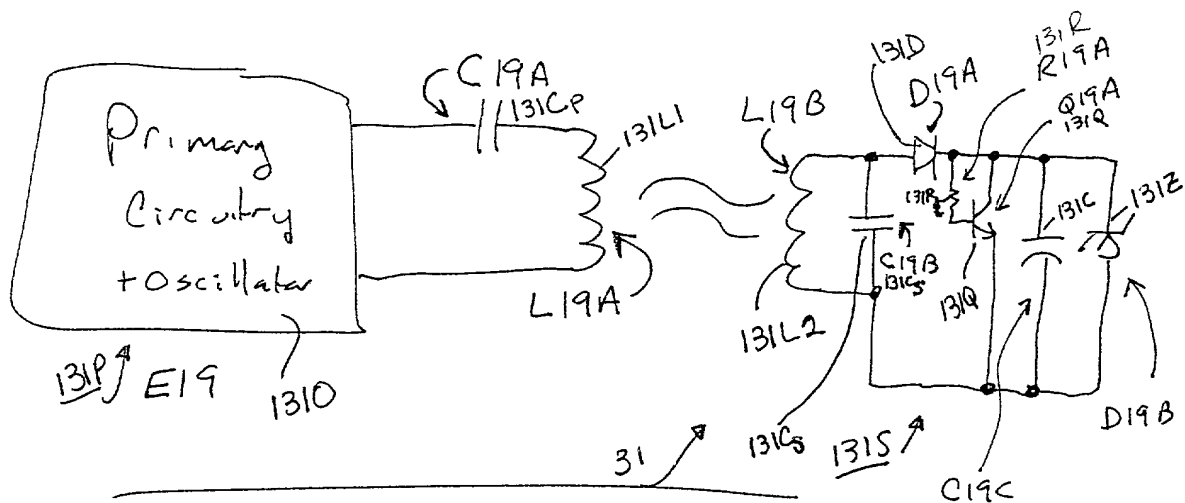


Figure 19

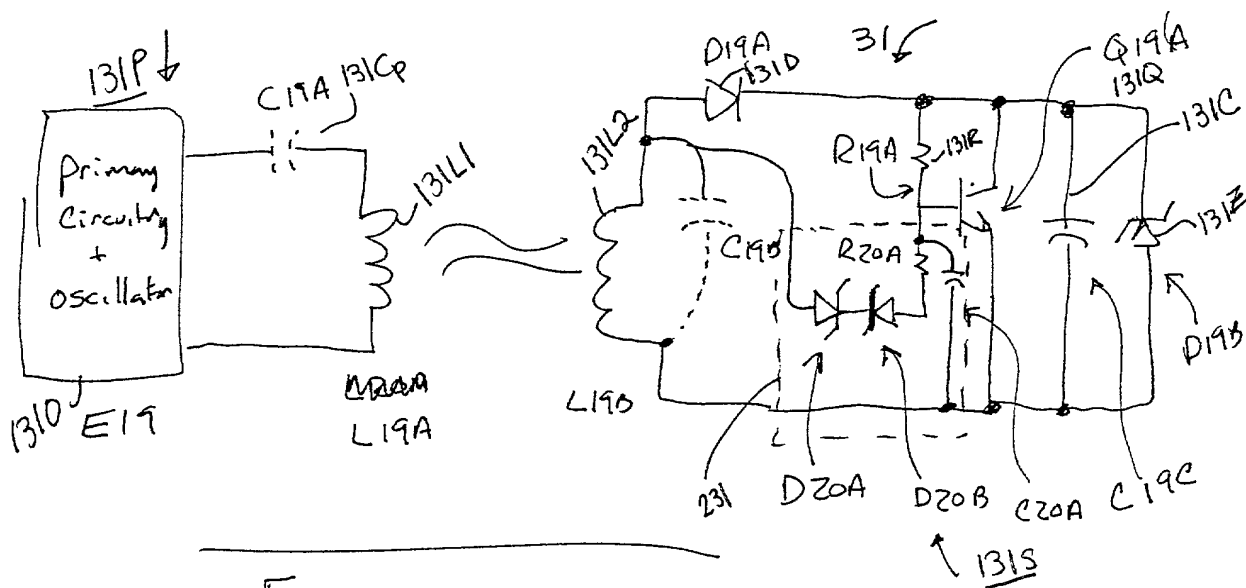
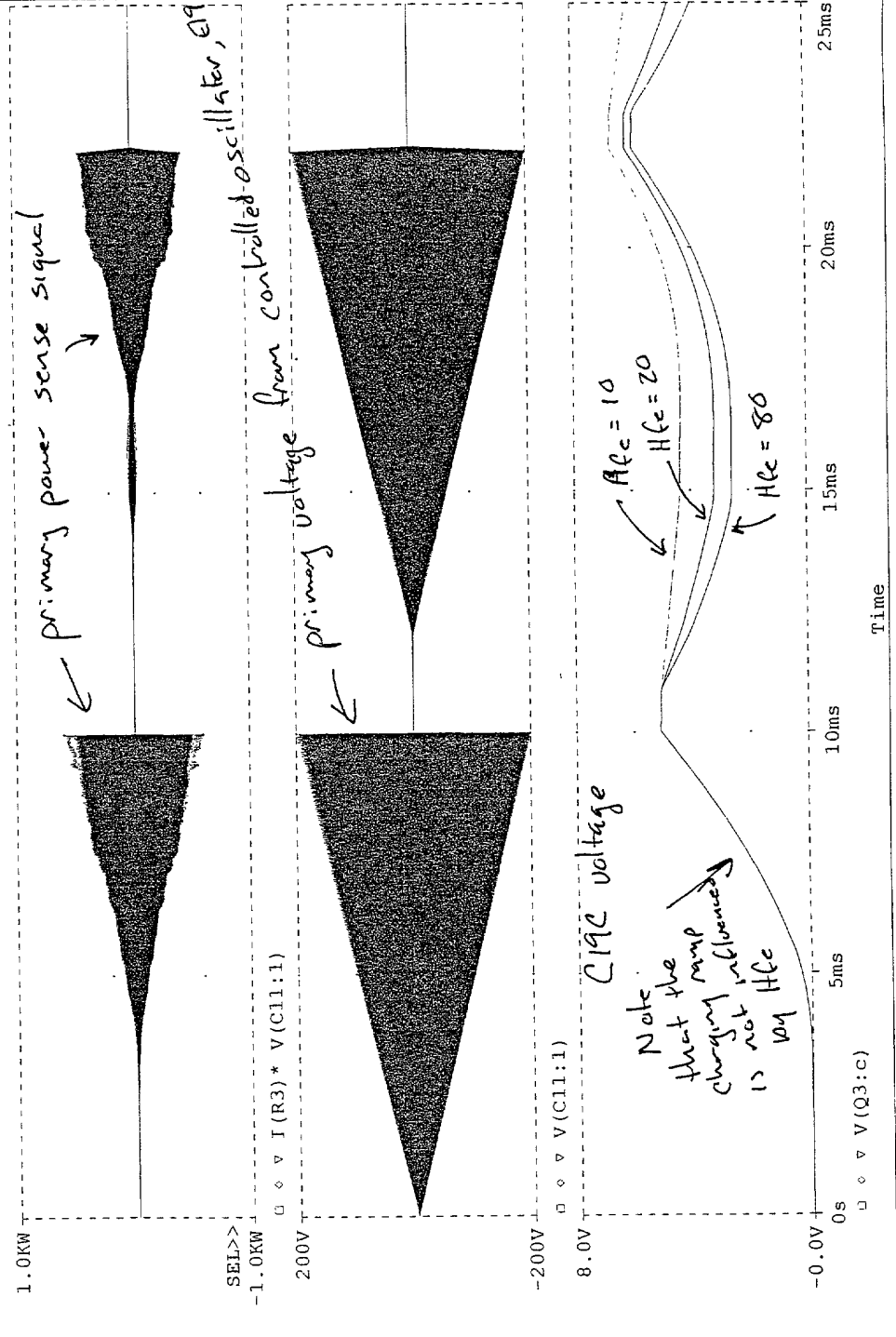


Figure 20.

Temperature: 27.0

(F) betatest125dc_works2



Figures 2A-C

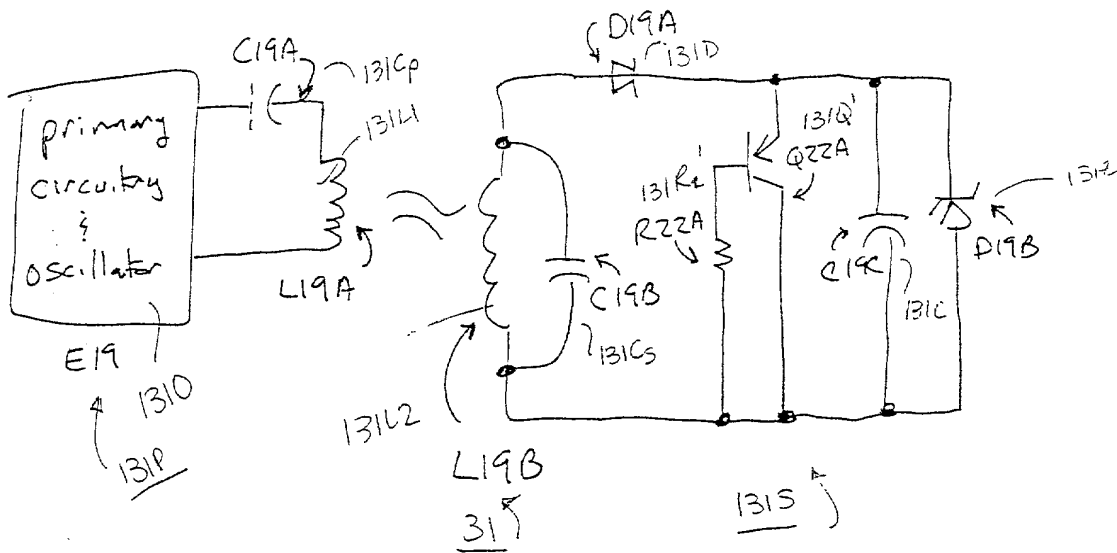


Figure 22

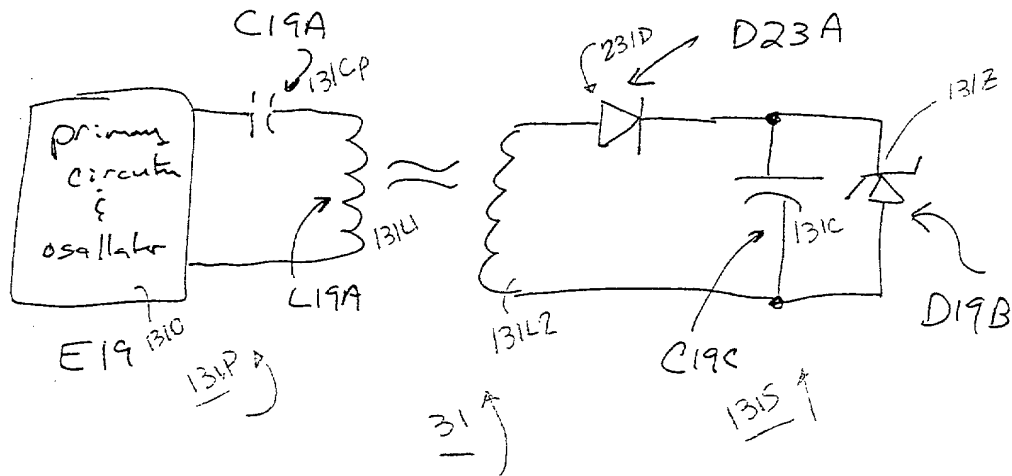
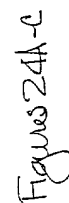


Figure 23



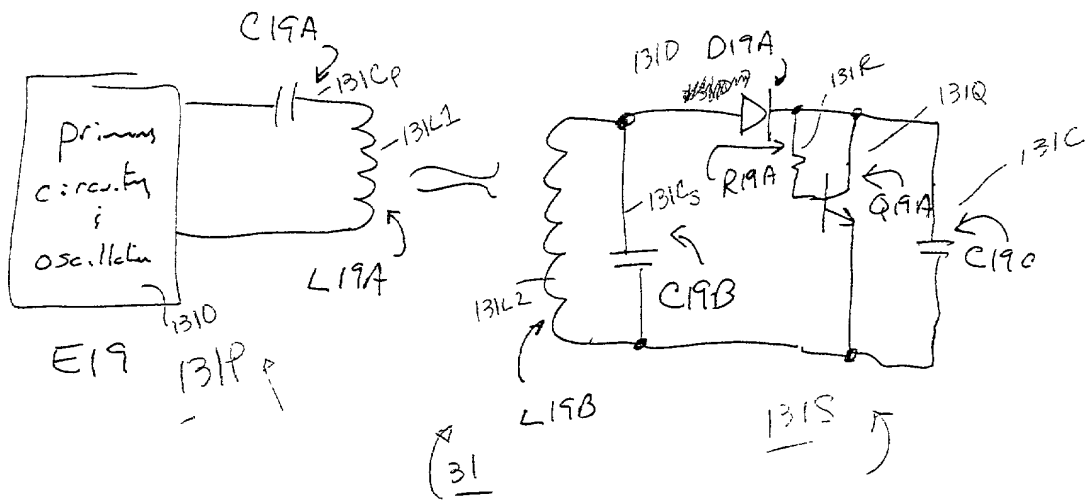


Figure 25

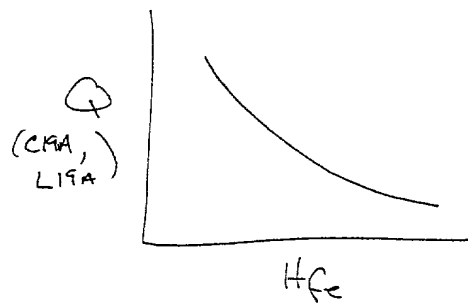


Figure 26.

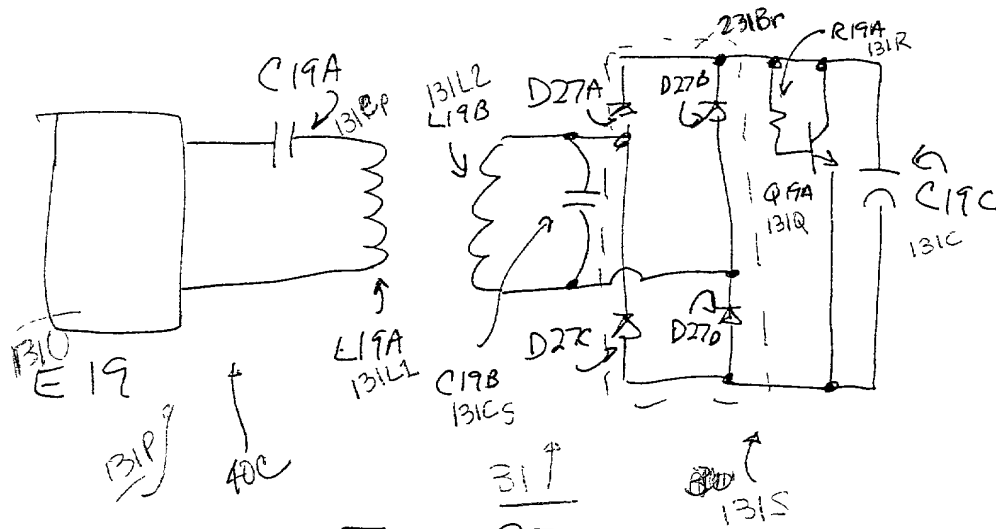


Figure 27

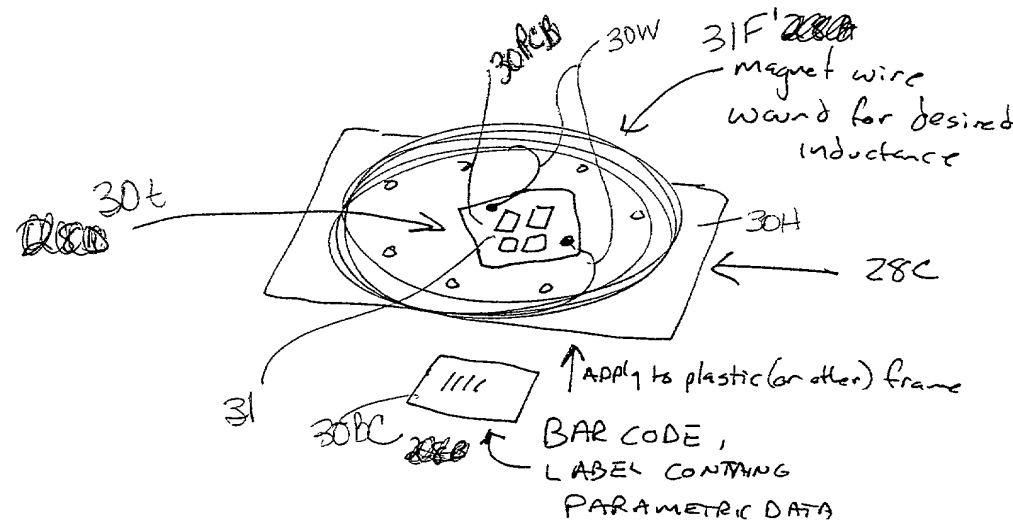


Figure 28, DOSIMETRY TAG